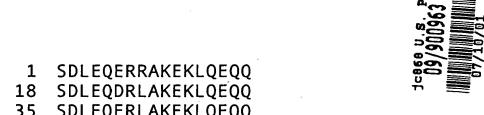
APPLN FILING DATE: JULY 10, 2001
TITL PITTLE SEQUENCES SPECIFIC...T LYMPHOCY

VEN R(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

SHEET 1 of 18



(5') **SDLEQERLAKEKLQEQQ** 35 **SDLEQERRAKEKLQEQQ** 52 **SDLEQERRAKEKLQEQQ** 69 86 **SDLEQDRLAKEKLQEQQ** 103 **SDLEQERRAKEKLQEQQ SDLEQERKAKEKLQEQQ** 120 137 **SDLEQERLAKEKLQEQQ SDLEQERRAKEKLQEQQ** 154 **SDLEQERRAKEKLQEQQ** 171 188 **SDLEQERRAKEKLQEQQ** 205 **RDLEQ** 210 RKADTKKNLERKKEHGDILAEDLYGRLEIP 240 AIELPSENERGYYIPHQSSLPQDNRGNSRD

270 SKEISIIEKTNRESITTNVEGRRDIHKGHL

316 (3')

FIGURE 1

300 EEKKDGSIKPEQKEDKS

TILING DATE: JULY 10, 2001 INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

SHEET 2 of 18 LICATION SERIAL NO: 010830-118

AAAGCGATCTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATCTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGATAGACTTGCTAAAGAAAAGTTACAAGAGCAGC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACTTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGATAGACTTGCTAAAGAAAGTTACAAGAGCAGC AAAGCGATTTAGAACAAGAGACTTGCTAAAGAAAGTTGCAAGAACAAC 205 256 409 358 460 307 562 511 (21)

**AAAACAAATAGAGAATCTATTACAACAAATGTŤGAAGGACGAAGGGATATA** CAGGACAACAGAGGGAATAGTAGAGATTCCAAGGAAATATCTATAATAGAA CATAAAGGACATCTTGAAGAAAGAAGATGGTTCAATAAAACCAGAACAA CCATCAGAAAATGAACGTGGATATTATATACCACATCAATCTTCTTTACC <u> AGGAAGGCTGATACGAAAAAAATTTAGAAAGAAAAAAGGAACATGGAGA</u> **ATATTAGCAGAGGATTTATATGGTCGTTTAGAAATACCAGCTATAGAACT** 950 AAAGAAGATAAATCT 630 783 681 732

AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAGCAGC

**AAAGAGATTTAGAACAA** 

613

APPLN JING DATE: JULY 10, 2001
TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYTI
INVENTOR(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 3 of 18

RDELFNELLNSVDVNGEVKENILEESQVNDDIFNSLVKSVQQEQQ HNVEEKVEESVEENDEESVEENVEENVEENDDGSVASSVEESI ASSVDESIDSSIEENVAPTVEEIVAPTVEEIVAPSVVEKCAPSVE ESVAPSVEESVAEMLKER

APPLN FLING DATE: JULY 10, 2001
TITLE TIDE SEQUENCES SPECIFIC...T LYMPHOCY
INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118 SHEET 4 of 18

GAA AGT CAA GTT AAT CAA CAA GAA CAA CAA TTA AAT AGT GTA GAT AAT GAT AAA ACG ATG AAG TAG AAG AA 67T 6AG CAC AAG ACG 1TG 1TG

APPLN. FILING DATE: JULY 10, 2001
TITLE: PIECE E SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTOR(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 5 of

7295-NRII 7295-Rep

729S-NRI

SHEET 5 of 18

**NSRDSKEISIIEKTNRESITTNVEGRRDIHK** 

LSA-TER

**DELFNELLNSVDVNGEVKENILEESQ** 

**VEKCAPSVEESVAPSVEESVAEMLKER EESQVNDDIFSNSLVKSVQQEQQHNV** 

APPLN. Pring Date: July 10, 2001

TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYT

INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

SHEET 6 of 18

### NUCLEOTIDE SEQUENCE OF THE LSA GENE 5' END

(NON-CODING 5' END)

1 AAAGTATACATCTTCCTTCTTTACTTCTTAAA

(CODING 5' END, UNIQUE)

- 33 ATGAAACATATTTTGTACATATCATTTTACTTTATCCTTGTTAATTTATTG
- 84 ATATTTCATATAAATGGAAAGATAATAAAGAATTCTGAAAAAGATGAAATCA
- 135 TAAAATCTAACTTGAGAAGTGGTTCTTCAAATTCTAGGAATCGAATAAATGA
- 186 GGAAAATCACGAGAAGAAACACGTTTTATCTCATAATTCATATGAGAAAACT
- 237 AAAAATAATGAAAATAATAAATTTTTCGATAAGGATAAAGAGTTAACGATGT
- 288 CTAATGTAAAAATGTGTCACAAACAAATTTCAAAAGTCTTTTAAGAAATCT

- 441 AAGGGCAAGACGAAAACAGACAAGAAGATCTTGAAGAAAAAGCA

### (CODING 5' END, repetitive)

- 492 GCTAAAGAAAAGTTACAGGGGCAACAAAGCGATTCAGAACAAGAGAGACGT
- 543 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 594 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 645 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 696 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 747 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 798 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 849 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGATAGACTT
- 900 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 951 GCTAAAGAAAGGTTGCAAGAACAACAAAGCGATTTAGA 988

APPLN. FILING DATE: JULY 10, 2001
TITLE: SPTIDE SEQUENCES SPECIFIC...T LYMPHOCYT
INVENUES: GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118
SHEET 7 of 18

LSA.5'/ATG - -> 1-phase Translation

linear b.p. ATGAAACATATT ... AAGCGATTTAGA 926 sednence DNA

CAT his AGA arg AAG lys CTT GAA glu GTT val AAA AGT lys ser GAT AAG lys CAC his TTT phe TTG leu AAT AACasn AAA lys ATA ile TTC phe TTA leu AAG 1ys TCT TTG leu TTC TTT phe len AAA lys GAG glu AAA lys AAT asn AAA 1ys AAT asn ACA thr AAT asn ATA ile AAT asn CAC his GAA glu AAT asn CAA gln AAT asn ATC ile GTT val GAA GAA glu GAA glu TCA ser AAA lys CTT leu GAT asp AAT asn ile GTG val CTT GAG glu AAA lys AAT asn AAT asn AAT asn phe TTC phe GAA gglu 51 ATA AAA 1ys 111 AAA tyr C ATA TCA TTT T, ile ser nh. phe 31 TCT ser / CGA arg / ACT thr / GTA val / AAT asn 151 AAT 211 211 AAA AAT asn 331 AAG lys AGG arg GAG glu ser ser ATA ile TAC tyr ATG met TAT TCT ser GTT val ATA ile TTG leu AAT asn TCA ser ACG thr **GGT** gly TCA AAT asn ATT ile AAG lys TTA len len CTT AAA CAT Lys his / 21 AAT GGA asn gly ser CT CAT Ser his / 81 AAA GAG LO11 AGA AAT AGA AAT asn 1 ATG Met 61 121 121 181 181 TTA GAT GAT 301

## **FIGURE 7A**

E:

APPLN. FILING DATE: JULY 10, 2001

TITLE PTIDE SEQUENCES SPECIFIC...T LYMPHOCY
INVEN (S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118

SHEET 8

AGA arg 666 gly GAA glu AAA 1ys 666 gly AGC ser TTG leu GAG glu CAA gln TTA leu AAA 1ys CAG gln GCT ala AAG lys GAT asp CAA gln CAA gln CGT arg GAA glu ATT ile TTA leu AGA arg GAA glu AGC ser GAA glu AAA lys TAT tyr AAG lys AAA 1ys CAA gln GAG glu GAA glu CAA gln TTA leu GCT ala AAA lys CAA gln CAA gln AAA lys TTG leu GAT asp CGT arg AAA 1ys AGA GAA glu arg GCT ala AAG lys GAA glu AGC ser GAT asp GCA ala GAA glu CAA CAA gln TTA leu GAG glu GAC asp CAA gln AAA lys AAA lys TTG leu CAA gln GAT asp GAT asp **GAA** GAA glu ala ala lys GAA glu AGC ser glu 131 GAT asp 151 151 171 CGT CGT 211 CAA CAA CAA CAA CAA AAT asn (CTT leu / AAA arg / Iys / CAA GAT 391 47A 11e 6AT 6AT 6CT 6CT 631 631 631 691 691 751 ATA ile GAA glu CAA gln CTT GAA glu CAA gln CAA gln CAA CAA gln AGA arg CAC his GAA glu AAA lys TTG leu GAA glu AGA arg TCA ser GAG glu GCT ala AAG lys GAA glu AAC asn GAT asp CGT arg GAA glu ATTile CAA gln CAA gln 121 1714 161 161 161 161 161 161 161 173 174 175 175 AAA AAA 1ys 1ys 6AC CAA CAA TTA TTA 1eu / GGCT ala 

### FIGURE 7B

APPLN. FILING DATE: JULY 10, 2001

TITE PEPTIDE SEQUENCES SPECIFIC...T LYMPHO ES
IN COR(S): GUERIN-MARCHAND AND DRUILH.

APPLICATION SERIAL NO: 010830-118 SHEET 9 of 18

GAT asp CAG gln GAG glu AGC ser CAA CAA gln TTA TTA leu CAA gln GAT asp CAA AGC (glubal) AAG lys GAA glu GAA CAA gln CAA AAA lys TTG leu GAA GCT ala AAG lys GAA glu CAA CTT AGA arg AAA 1ys TTG leu 271 GAG GAG 291 201 GCT GCT 311 311 CAA CAA gln / CTT leu / GAA 811 GAA GAA 871 AGA AGA AAA TTA GAT asp GAT CAA gln CGT AGC ser GAA glu AGA arg CAA gln TTA GAG glu 261 CAA gln 281 281 GAT 301 CAA / GAA glu / AGC ser / GAA 781 CAA gln 841 CAA CAA gln 901 TTA

### FIGURE 7C

APPLN. FILING DATE: JULY 10, 2001

TITLE: SPTIDE SEQUENCES SPECIFIC...T LYMPHOCYTER
INVENTORS): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 10 of 18

### NUCLEOTIDE SEQUENCE OF THE LSA GENE 3' END

### (CODING 3' END, REPETITIVE)

- 1 CAAGAACAACAAGCGATCTAGAACAAGAGAGACGT
- 37 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGATAGACTT
- 88 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGAGAGACTT
- 139 GCTAAGAAAAGTTGCAAGAACAACAAAGCGATCTAGAACAAGAGAGACGT
- 190 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 241 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGATAGACTT
- 292 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGAGAGACGT
- 343 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 394 GCTAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 445 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 496 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 547 GCTAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 598 GCTAAAGAAAGTTGCAAGAGCAGCAAAGAGATTTAGAACAA

### (CODING 3' END, UNIQUE)

- 640 AGGAAGGCTGATACGAAAAAAATTTAGAAAGAAAAAAGGAACATGGAGAT 691 ATATTAGCAGAGGATTTATATGGTCGTTTAGAAATACCAGCTATAGAACTT
- 742 CCATCAGAAAATGAACGTGGATATTATATACCACATCAATCTTCTTTACCT
  793 CAGGACAACAGAGGAATAGTAGAGATTCCAAGGAAATATCTATAATAGAA
- 844 AAAACAAATAGAGAATCTATTACAACAAATGTTGAAGGACGAAGGGATATA
- 895 CATAAAGGACATCTTGAAGAAAGAAAGATGGTTCAATAAAACCAGAACAA
- 946 AAAGAAGATAAATCTGCTGACATACAAAATCATACATTAGAGACAGTAAAT
- 997 ATTTCTGATGTTAATGATTTTCAAATAAGTAAGTATGAGGATGAAATAAGT
- 1048 GCTGAATATGACGATTCATTAATAGATGAAGAAGAAGATGATGAAGACT
- 1099 TAGACGAATTTAAGCCTATTGTGCAATATGACAATTTCCAAGATGAAGAAA
- 1150 ACATAGGAATTTATAAAGAACTAGAAGATTTGATAGAGAAAAATGAAAATT
- 1201 TAGATGATTTAGATGAAGGAATAGAAAAATCATCAGAAGAATTATCTGAAG
- 1252 AAAAAATAAAAAAGGAAAGAAATATGAAAAAACAAAGGATAATATTTTA
- 1303 AACCAAATGATAAAAGTTTGTATGATGAGCATATTAAAAAATATAAAAAATG
- 1354 ATAAGCAGGTTAATAAGGAAAAGGAAAAATTCATAAAATCATTGTTTCATA
- 1405 TATTTGACGGAGACAATGAAATTTTACAGATCGTGGATGAGTTATCTGAAG
- 1456 ATATAACTAAATATTTTATGAAACTA<u>TAA</u> (stop)

### (NON-CODING 3' END)

1485 AAGGTTATATATTT 1498

APPLN. FILING DATE: JULY 10, 2001 DE SEQUENCES SPECIFIC...T LYMPHOCYTES

GUERIN-MARCHAND AND DRUILHE

AGA arg

GAG glu

GAA glu

AAA lys

GCT ala

CTT

AGA arg

GAT asp

CAA gln

GAA glu

GAT asp

AGC

CAA

ser

TTA len CAA gln

TTG leu

AAG 1ys

AAA lys

glu

ala

GAA

**GCT** 

CGT

AGA arg

GAG glu

gln

glu

CAA

GAA

GAA glu

CAA

**TTG** len

GAA

AAA

**ECT** ala

AGA

GAG

11 CAA

CGT arg

arg

nlg

31 CTA leu 91 GAT

asp

AGC ser

GAT

CAA gln

CAAGAACAACAA ... GGTTATATTT

b.p.

1496

sednence

DNA

LSA.3'.ALL -> 1-phase Translation

AAG lys

glu

lys

AAG lys

GAA glu

AAA lys

GCT ala

CAA gln

GAA glu

TTA

gln

PLICATION SERIAL NO: 010830-118

GAT asp CGT arg CAA gln CAA gln

GAA glu AGC ser CAA gln CTA GAT asp CAG gln GAG glu CAA gln TTA leu

CAA gln GAA glu AGC ser CAA gln TTA leu GAT asp CAA gln AGC ser GAA glu CAA gln CAA gln TTG leu CAA gln GAA glu AAG lys

leu 51 GAA GAA 71 CAA 81n 91 1111 AGA AGA AAA Iys / TTG leu / CAA GAT leu AGA arg

asp 151 6CT 6CT 211 211 1ys 271 6AA 6AA 81u 331 GAA glu AAA lys GAG glu GCT ala ser / GAA GAA AGA arg / AAA 1ys

gln CAA TTG leu CAG gln AAG lys GAG glu 

### FIGURE 9A

### GCT ala TTA GAG glu CAA gln AAA lys TTA leu CAA gln AAA lys GAT asp CGT arg CAA gln CGT arg CAT his ATA ile AGC ser AGA arg GAA glu GAA glu ACG thr CCA GGT gly TCT CAA gln CAA gln TTA GAG glu ATA ile ATA ile GAT asp TAT GAT asp TTG leu CAA gln CAA gln TTA GAA glu GCT ala TAT AAG lys AGC Ser GAA glu AAG 1ys AAG lys GAA glu GAT asp TAT AGA GAT TCC arg asp ser GAA glu AGG arg CAA gln TTA GAG glu CAA gln GGA glý AAA 1ys CAA gln CAA gln GCA ala TTG leu GAT asp CGT arg GAA glu AGC ser GAA glu TTA leu GAA glu GCT ala AAG 1ys CGT GAA glu CAA gln CAA gln ATA ile AGT ser TTA leu AAT asn AGA arg AAA 1ys CAA gln GAT asp GAT asp GAA glu leu AAT asn GAA glu / CAA gln cAA cAA cAA cAA CCA CCA pro / AGA arg leu / TTA GAG glu GCT ala AAG 1ys AAG 1 y s GAG glu GAA glu GAC asp GAA glu AAA 1ys CAA gln CGT arg CAA gln CAG gln GAT asp ATA ile AGA arg AGC GAA glu AGA arg AAA 1ys TTG leu GCT ala ser 121 CAA gln 141 141 141 161 161 6AG 6AG 6AG 6AG 178 221 178 CCA 160 CAA CAA gln asp /18 CGT CGT CGT A/ TTA TTA ile ile

### FIGURE 9B

APPLN. FILE'S DATE: JULY 10, 2001

TITLE: PHESE E SEQUENCES SPECIFIC...T LYMPHOCYTES

INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118 SHEET 13 of 18

CAA gln AAA lys TCT GAA glu GAT asp TTA leu AAA lys ATA ile CAT his GAA glu CAA gln AAT AAA lys TTT phe ATA ile AAA GAT asp GAT asp GAA glu GAT asp TTC phe CGA AGG GAT / arg arg asp · AAA AAT lys asn AAT GAA glu GAA glu AAT asn ATA ile GAC asp TTA AAA 1ys GAA glu GTT val GAT asp TCA CAA gln TAT GAG glu TCT ser GAC GAT Tasp asp s GGA gly TTA ATA ile GAA glu CAA gln TCT GAA glu ATT ile CCA pro GTG val TTG leu GAA glu GAT AAT asn GAA glu AAA 1ys TAT ATT ile val AAT GAA glu TCA ATA ile GTA val GAA glu CCT pro asn 291 ACA ACA thr thr 311 GGT TCA gly ser 331 AGG ACA glu thr 351 AGT GCT ser ala 371 TTT AAG phe lys 391 GAA CTA glu leu TCA AAA 1 ATA ile / GAA glu AAA GAA TTA glu lys / asp 1171 TAT 871 TCT ser 931 AAA 1198 991 46A GAA GAA tyr 1231 GAT asp CAT his TTA ATT ile **GGA** GAA glu AAG lys gly AGA arg GAA glu AAT asn GAG glu GAC asp GGA gly GAA glu leu glu 321 ATA CAA ile gln 341 AAG TAT lys tyr 361 GAT GAA asp glu AAT ATA ile GAT asn GAA glu asp asn 401 asp 381 AAC 1021 / ATA AGT ile ser 1081 / GAA GAT GAA his / GAC asp asp asp

## FIGURE 9C

APPLN. FILING DATE: JULY 10, 2001
TITLE PEPTIDE SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTED R(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118
SHEET 14-0f 18

GAT asp TTG leu AAA lys GAA glu AGT ser GTG val AAA lys AAG ATC ile TAT CCA AAT GAT A pro asn asp 1 GAA , CAG glu ATA ile AAG 1ys TTA GTT val AAG 1ys ATT AAT asn GAA glu TAA OCH AAA 1ys GTT val CAG gln AAT CTA phe GAC asp AAA 1ys AAT AAG 1ys asn 431 AAG GAT AAT A GAT ATG GGA gly asn lys asp a 451 AAA AAT ( lys asn 471 □ GAC asp phe phe 491 TAT GAA glu AAA phe lys ATT ile TTG leu GAT TAT tyr 421 AAG AAA lys lys 441 GAG CAT glu his 461 AAA TCA lys ser 481 GAA asp GAT 1381 TTC

### -IGURE 9D

APPLN. FILING DATE: JULY 10, 2001
TITLE: PERSON SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTOR GUERIN-MARCHAND AND DRUILHE

LSN.3'STOP -> 1-phase Translation

CAAGAACAACAA ... ATGAAACTATAA linear b.p. 1482 DNA sequence

GAA CGT asp CAA CAA gln GAA glu GAT GAA glu GAA glu AAA lys AGA arg AGC ser TTG leu AAG lys CAA gln CAA gln CTA leu GAG glu GCT AAA GAA lys glu GAT asp CAA gln CAG gln CTT TTG leu AAG lys AGA arg GAG glu AGC ser GAA glu AAA GAA / TTA GAA CAA GAT leu glu gln asp CAA gln TTA CAA gln GAA CAA GAG AGA CGT GCT glu gln glu arg arg ala GAT TTA CAA gln AGA CGT GCT / arg arg ala AAG lys GAA glu AGC ser AAA GAA A lys glu 1 CAA gln CAA gln CAA gln GAT asp TTG leu GAG / AAG lys GCT ala GAA glu AGC ser AGA CTT
arg leu
/ 51
AAA GAA
lys glu
/ 71
TTG CAA (
leu gln |
/ 91
CAA CAA /
gln gln |
/ 111 GAA CAA (glu gln g len asp 31 CTA leu 91 91 151 6AT 6CT 173 271 6AA 6AA ser GAT asp AAA GAA lys glu CÁA gln CAA gln CAA gln CTT GAA glu TTG AGC ser AGA arg CAG gln CAA TTA GCT ala AAG lys GAG glu GAG glu glu gln
/ 21
AGC GAT
ser asp
/ 41
GAA CAA
glu gln
/ 61
AGA CGT
arg arg
/ 81
AAA GAA
lys glu
/ 101
TTA CAA / 1 GAA CAA gln CAA CAA 121 121 17A 181 GCT GCT 301 AAG

# **FIGURE 10A**

DE SEQUENCES SPECIFIC...T LYMPHOCYTES

GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

FIGURE

TTA GAG glu GCT ala AAA lys TTA CAA gln GAT asp CGT arg AAA lys CGT arg CAA gln CAA gln CAT his GAA glu AGC ser AGA arg ACG thr CCA pro TCT GAA glu GGT gly ATA ile CAA gln CAA gln GAG glu TTA GAT asp TAT tyr ATA ile GAT asp CAA gln GAA glu CAA gln GCT ala TTA leu TTG leu TAT tyr GAT asp AAG 1ys GAA glu AGC ser GAA glu AAG 1ys AAG 1ys TAT tyr AGG arg GAA glu CAA gln CAA gln TTA leu GAG glu GGA gly TCC ser CAA gln AAA lys TTG leu CAA gln GAT asp GCA ala CGT arg GAT asp AAG lys TTA leu GAA gìu AGA arg GAA glu AGC ser GAA glu GCT CGT arg GAA glu ATA ile AGT ser CAA gln CAA gln AAT asn TTA leu GAT asp GAT asp GAA glu AAT CAA gln AAA lys TTG leu GAG glu AAG lys GAA glu GAC GCT ala GAG glu AAG lys TA leu AAA 1ys ATA ile asp CGT arg GAA glu CAA gln GAT CAA gln CAG gln AGA arg ser GAA glu AGA arg AAA 1ys TTG leu GCT ala CCT pro CAA CAA GAT asp asp / CGT CGT arg arg / GAA GAA ile ile 361 6AA 621 421 421 421 421 6AA 661 661 661 6AA 721 721 721 721

### 

APPLN. FILING DATE: JULY 10, 2001
TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENT: GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 17 of 18

GAT asp TCT CAA GAA glu TTA AAA 1ys TTG leu GAA glu CAA gln ATA ile CAT his AAA 1ys phe asn **AAT** ser GAA glu AAA AAA asp asp asp TTC phe GAT GAT lys lys GAT asp. ATA ile GAA glu GAT GAT GAA glu asn asn AAT asn asp AAT AAT AAA lys GAA glu AAT AGG arg AAA lys TTA GAC asb asn GTT val GAG glu CGA TCA ser arg CAA gln asp CCA TAT tyr GAT TCT ser pro **GGA** GAA glu GAT asp CAA gln ATA ile AAA gly TCT Ser TTA lys GAA glu glu CCA pro GAC asp GAA ATT ile GTG val TTG leu phe GAT asp AAA lys AAT asn GAA glu asn TAT tyr GTT val ATT ile AAT asn GAA glu CCT pro TCA AAT ATA ile GTA GAA glu AAT asn ser gly ser 331 GAG ACA glu thr 351 AGT GCT ser ala 371 lys CTA leu ser asb AAA TCA 391 391 GAA ( glu 411 GAA AAAleu GAA asp ATT ile TTA GGA gly **GAA** lys CAT his GAT GAC asp asn GAA glu GAG glu GGA gly GAA. glu AAT leu glu 321 ATA CAA ile gln 341 AAG TAT 1ys tyr 361 GAT GAA asp glu 381 AAC ATA asn ile 401 GAA glu asp GAA asp / . / GAT glu / GAT AGT ser 841 GAA GAA 901 6GA 1021 1021 1081 GAA GAA

# FIGURE 10C

APPLN. FILING DATE: JULY 10, 2001 DE SEQUENCES SPECIFIC...T LYMPHOCYTES GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

GAT asp AAA lys GAA glu GTG val AAG lys ATC ile TAT tyr CAG g GAA glu ATA ile AAG lys TTA GTT val AAT asn AAG 1ys TAA OCH GTT val GAA glu CAG gln AAT asn GAC asp AAG lys AAA 1ys asp GGA gly GAT asb GAC phe GAT asp leu GAA glu 1321 / TAT GAT tyr asp 1381 / TTC ATA phe 1441 GAG